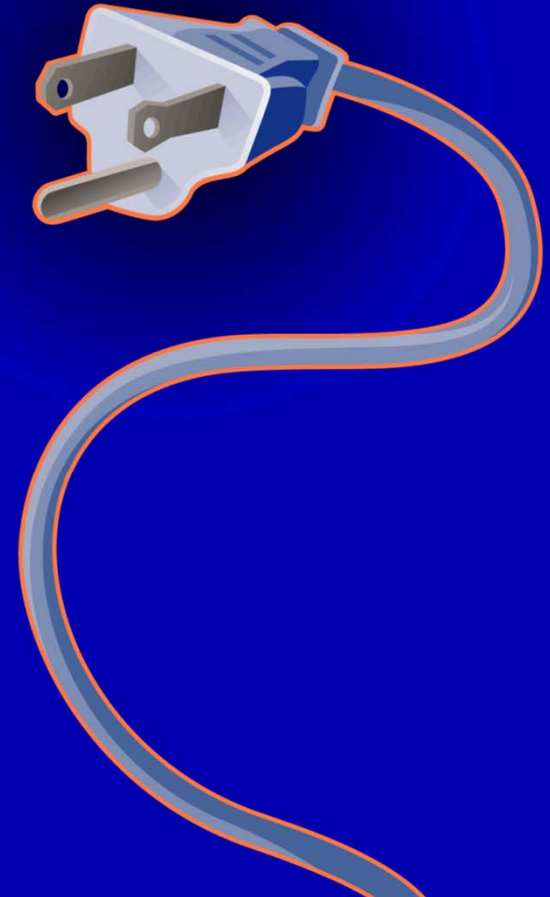


AAAS SCIENCE & TECHNOLOGY POLICY FELLOWSHIPS

*Plug the power of science
into public policy*



ADVANCING SCIENCE, SERVING SOCIETY

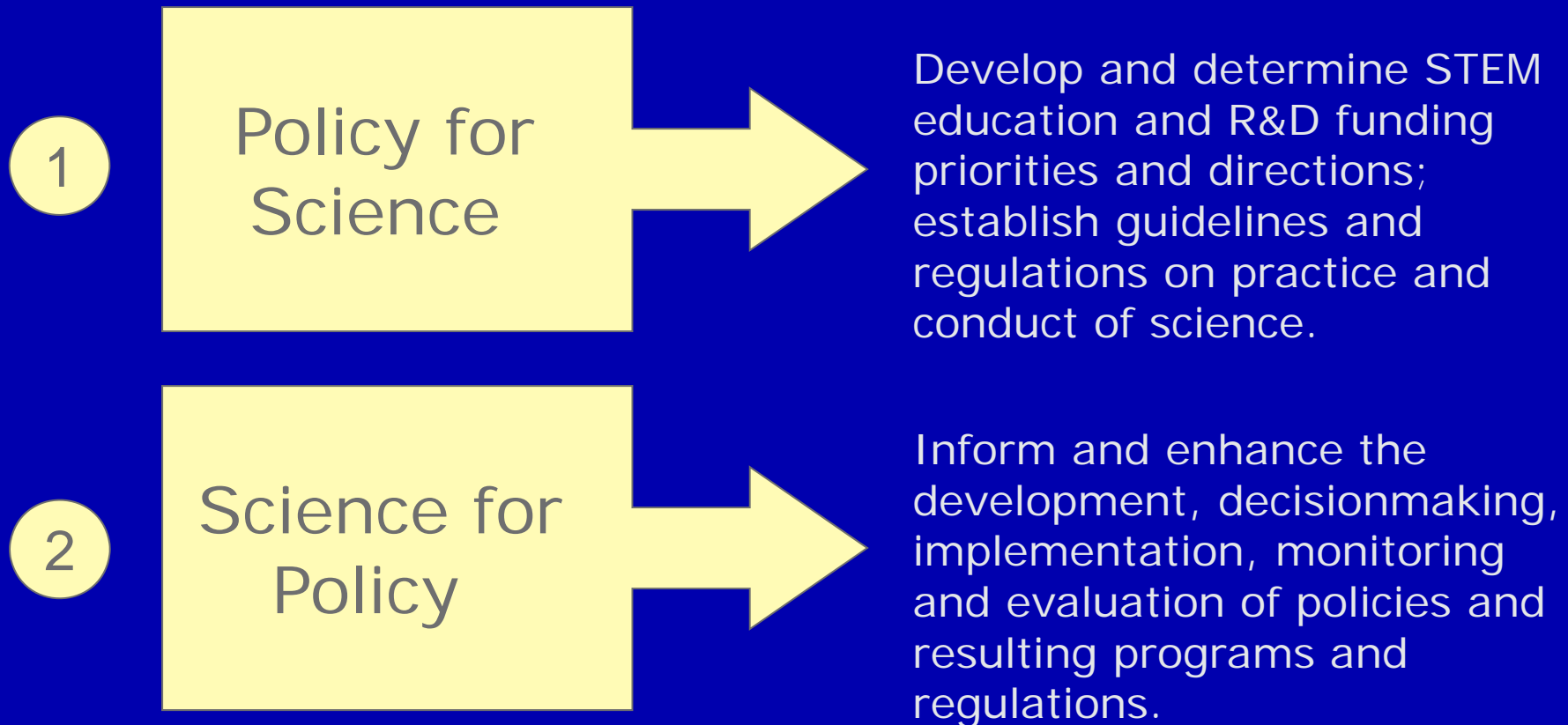
The Fellowships aim to:

- *Educate scientists and engineers on the intricacies of federal policymaking*
- *Provide scientific and technical knowledge to support development of well-informed policies*
- *Foster positive exchange between scientists and policymakers*
- *Empower scientists and engineers to engage in policy-relevant research and other activities that addresses challenges facing society*
- *Increase the involvement and visibility of scientists and engineers in the public policy realm*

Create more policy-savvy scientists and engineers



What is Science Policy?



Policy for Science

Funding directions and levels
Transformative research
Human/Animal subjects
Stem cell research
Pipeline of researchers
Visas for foreign scientists

Science for Policy

Climate change adaptation and mitigation
Clean energy efficiency
Neuroethics implications
Stem cell research
Health Care Reform
Marine fisheries catch quotas

Five Fellowship Areas

- *Diplomacy, Security & Development*
- *Health, Education & Human Services*
- *Energy, Environment & Agriculture*
- *Congressional*
- *Roger Revelle Fellowship in Global Stewardship*

Diplomacy, Security & Development

25-40 placements

Anticipated placement opportunities:

- » *Agency for International Development*
- » *Department of Defense*
- » *Department of Homeland Security*
- » *Department of State*
- » *NIH Fogarty International Center*
- » *USDA Foreign Agricultural Service*

Health, Education, & Human Services

25-40 placements

Anticipated placement opportunities:

- » *Department of Health & Human Services*
- » *Department of Veterans Affairs*
- » *National Institutes of Health*
- » *National Science Foundation*
- » *USDA Food Safety Inspection Service*

Energy, Environment & Agriculture

25-40 placements

Anticipated placement opportunities:

- » *Department of Energy*
- » *Environmental Protection Agency*
- » *National Aeronautics and Space Administration*
- » *National Oceanic & Atmospheric Administration*
- » *National Science Foundation*
- » *U.S. Department of Agriculture (including Forest Service)*
- » *U.S. Geological Survey*

Congressional

2 placements (via AAAS)

Anticipated placement opportunities:

- » *Offices of members of Congress*
- » *Congressional committees*

Additional Congressional fellowships are available through more than 30 scientific and engineering society partners

*Go to <http://fellowships.aaas.org>
and click on "Society Partners"*

Roger Revelle Fellowship in Global Stewardship

1 Placement

Anticipated placement opportunities:

- » Federal agencies
- » Congressional offices or committees
- » Environmental or sustainability oriented non-profit organizations in Washington, DC.

This fellowship is open only to applicants with three years of post-degree professional experience (or six years of post-degree experience for applicants with an MS in engineering).

Executive Branch Activities

- Collecting and analyzing information from a range of sources and developing options
- Meeting with and presenting to public, interest groups, industry
- Writing briefings, talking points and text for speeches and reports, and facilitating sign-off processes
- Prepping for hearings: researching and drafting responses to questions, supporting agency staff providing testimony
- Program and policy planning, development, implementation, monitoring and evaluation (policy, regulations, budgets, meetings, outputs and longer-term outcomes)
- Facilitating interagency collaborations and stakeholder relations; serving on negotiation teams to prepare for and represent the interests of the U.S. Government



*Lesley Blancas, 2006-08
Diplomacy Fellow, U.S.
Department of State (back
right). Press for signing S&T
bilateral agreement with
Uruguay, printed on front page
of Uruguay's national
newspaper.*

Activities in Congress



*Greg Hinrichsen, 2007-08 APA
Congressional Fellow*

*Staffed senator at aging committee
hearings (review of testimony, authored
suggested remarks/questions for witnesses,
available for consultation during hearings)*

- Collecting and analyzing information from a range of sources and developing options
- Meeting with constituents and special interest groups
- Writing briefings, talking points, and text for speeches
- Organizing hearings: researching, selecting and prepping witnesses, developing questions, supporting Member
- Drafting and negotiating legislation
- Monitoring policy implementation

Fellows' Contributions

- **International Coalitions:**
Consulted with non-governmental and research organizations in Mexico and Belize to organize a planning workshop for a bi-national coastal management coalition.
- **Disaster Relief:**
Served as task force deputy to organize the U.S. tsunami recovery effort and launch long-range policy discussions on an early warning system.
- **Scientific Capacity/Nonproliferation:**
As special advisor to the Coalition Provisional Authority, participated in program to direct Iraqi weapons scientists into new careers.



Horacio Murillo, 2005-06 AAAS Congressional Fellow



Fellows' Contributions

- **Science Outreach:**
Organized a congressional press conference with a member of the Backstreet Boys to urge insurance companies to provide coverage for colorectal cancer screening among people over 50 years old.
- **Agency Infrastructure:**
Oversaw a multi-million dollar software program to develop a computer security system for DoD computer networks nationwide.
- **Education Reform:**
Evaluated testing mandates at the primary and secondary levels to determine ultimate direction for federal spending in education.

Allison Smith, 2004-06 DSD Fellow at the U.S. Department of Homeland Security

Fellowship Benefits

STIPEND/SALARY:

\$74,000 – 97,000 depending upon experience or previous salary

HEALTH INSURANCE:

Reimbursement for Fellow and family coverage

RELOCATION REIMBURSEMENT:

Up to \$4,000 if relocation is more than 50 miles from Washington

TRAVEL/TRAINING ALLOWANCE:

Up to \$4,000 with prior approval of fellowship supervisor

PROFESSIONAL DEVELOPMENT:

Intensive orientation in September and year-long program

ALUMNI NETWORK:

More than 2,300 former Fellows working in DC and around the world

Qualifications:

- Hold a doctoral-level degree (PhD, MD, DVM, DSc) in any scientific or engineering discipline
 - » *All degree requirements must be completed by 12/5/2011*
 - » *Individuals with a master's degree in engineering & three years of post-degree professional experience also may apply*
- Show a commitment to apply your scientific or technical expertise to serve society
- Exhibit good communication skills, especially to non-scientific audiences
- Demonstrate problem-solving ability, initiative, leadership qualities, and flexibility
- Hold U.S. citizenship

2011-2012 Class

- **255** Year-long Fellows -- *The largest class in AAAS Fellowships history!*
- **220** Executive Branch Fellows
 - *207 selected & administered by AAAS*
 - *13 selected & administered by partner scientific and engineering societies*
- **35** Congressional Fellows
 - *2 selected & sponsored by AAAS*
 - *33 selected & sponsored by partner societies*
- **180** First-year Fellows
- **75** Second-year Executive Branch Fellows
- **9** Short-term Executive Branch extensions (2-6 months)

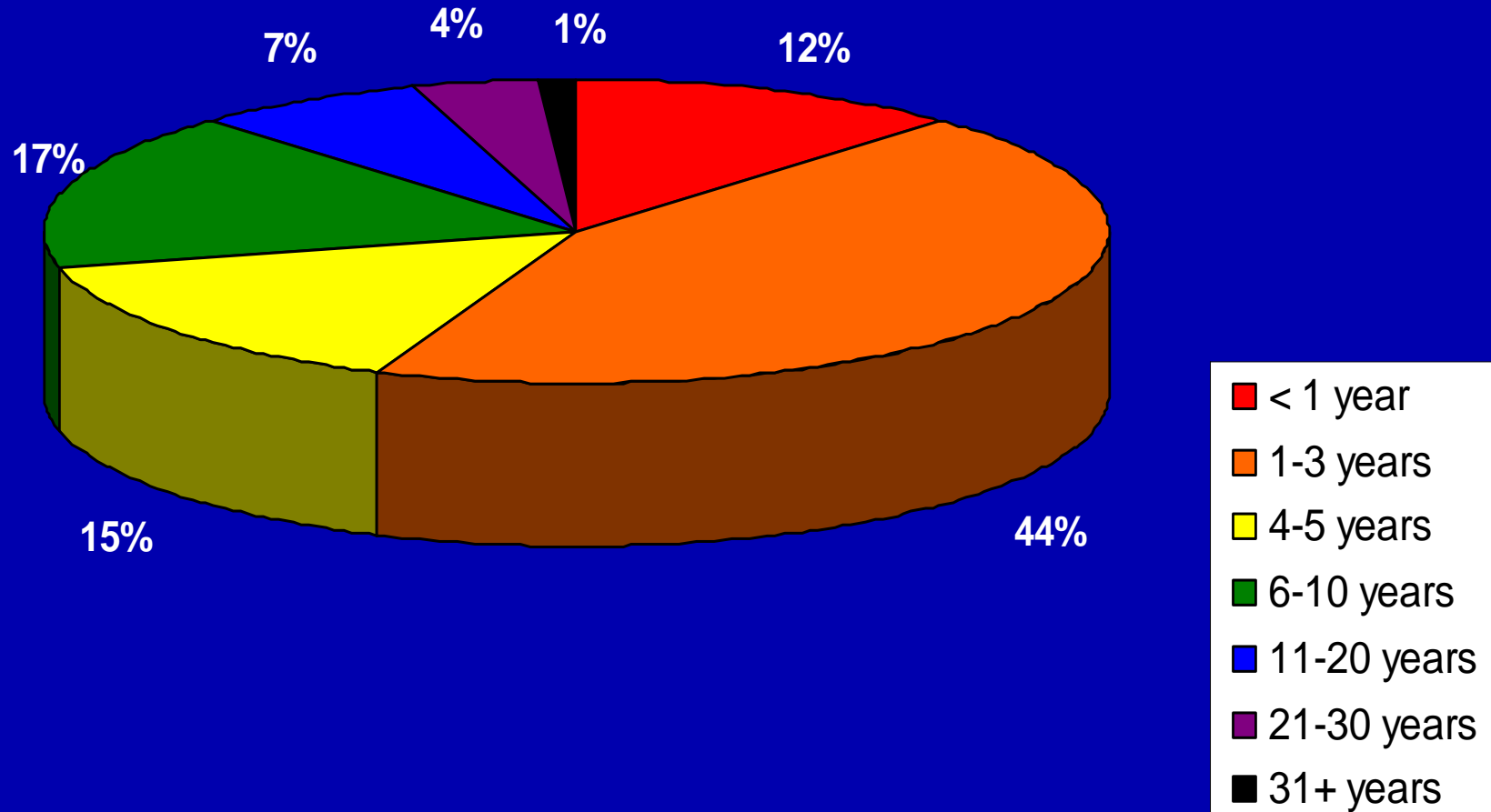
2011-12 Fellows Represent

- **An array of Sectors**
 - » Academic institutions
 - » Nongovernmental organizations
 - » Intergovernmental entities
 - » Private industry
 - » Government labs
 - » Independent consultants

- **A Broad range of disciplines**
 - » Behavioral/Social
 - » Biological
 - » Engineering/Computational
 - » Geosciences
 - » Health/Medical
 - » Physical

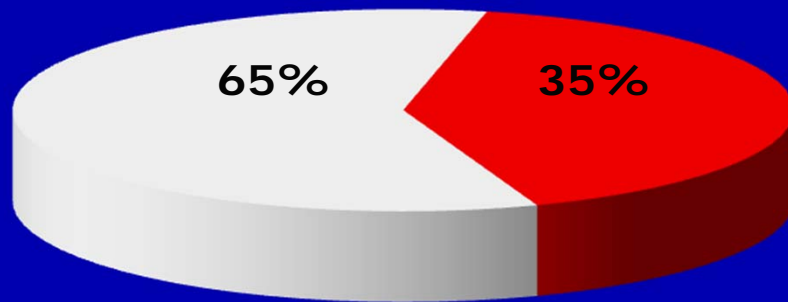
Years Since Qualifying Degree

All Yearlong Fellows (n=210)



2011-12 Gender Breakdown

Yearlong Fellows (N=255)



■ Female ■ Male

STEM Doctoral Degrees 2005

Female 65 %

Male 35 %

Source: NSF 2009 Report to Congress



“How selective are the fellowships?”

2011-12 SELECTION STATISTICS

PROGRAM	APPLICATIONS	INTERVIEWS	FINALISTS
Congressional	71	10	2
DSD	189	96	74
EEA	155	96	70
HEHS	228	72	49

May apply for two AAAS fellowship areas

Application Materials

Candidate Data:

- *Areas of scientific specialty (key words)*
- *Areas of policy interest*
- *Brief bio (200 words max)*

Candidate Statement:

- *Reasons for applying for a AAAS Fellowship*
- *Summary of background & expertise*
- *Areas of Interest*
- *Career Goals*
- *1,000 words max*

Curriculum Vitae:

- *Education, expertise, achievements, honors & publications*
- *2,000 words max*

Extracurricular activities:

- *Brief examples of activities beyond the lab or classroom*
- *500 words max*

References:

- *Three recommendation letters are required*

- Online Application Opens: September 1, 2011
- Online Applications Due: December 5, 2011
- Notification of Eligibility: Late December 2011
- Notification of Interview: February 2012
- Interviews: Early March 2012
- Notification of Finalists: Mid-March 2012
- Finalist Placement Week: April 2012
- Placement Offers: May – June 2012
- Fellowships Begin: September 1, 2012
- Fellowships End: August 31, 2013

Post-fellowship Opportunities

(year after fellowship)

Remain in public policy: 40-50%

- » *Pursue a second fellowship year*
- » *Hired into FT post at host agency or office*
- » *Work for another federal agency, Congress or CRS*
- » *Pursue policy posts at local, state, regional, international levels*
- » *Take a position at a professional society, think tank, nonprofit in policy/government relations*

Return to work in the same sector: 20-25%

- » *Return to previous position (sabbatical)*
- » *Obtain new position in the same field/sector*

Do something completely different: 20-25%

- » *Move into a position in a new sector*
- » *Start a new academic degree program*

Post-Fellowship Positions



- **Industry/Private Sector**
Alice Chen, 2007-09 EEA Fellow at the Environmental Protection Agency
Now a scientist, Keller and Heckman LLP
- **Academia**
Stephanie Adams, 2005-06 HEHS Fellow at the National Science Foundation
Initially returned to post as associate dean, Dept of Engineering, University of Nebraska. Now an associate dean at Virginia Commonwealth University.
- **Intergovernmental/International**
Winston Yu: 2003-05 DSD Fellow at the State Department
Now a water resource specialist in Agriculture and Rural Development, at the World Bank

Stephanie Adams, 2005-06 HEHS Fellow at the National Science Foundation

Post-Fellowship Positions

- **Congress**

Ali Nouri: 2008-09 AAAS Congressional Fellow in the Office of Senator James Webb (D-VA)

Hired as Legislative Assistant, Office of Senator Webb

- **Executive Branch**

Patricia Sokolove: 2003-05 HEHS Fellow at the National Institutes of Health

Hired by NIH as Director of Interdisciplinary Training Programs

- **NGO**

Kathy Kahn: 2006-08 DSD Fellow at the Foreign Agricultural Service, USDA

Now a Program Officer, Gates Foundation



Jeff Albert, 2004-05 EEA Fellow at EPA; Ranjiv Khush, 2004-05 DSD Fellow at the State Department

Online Applications Due: 12/5/2011

Apply at <http://fellowships.aaas.org>

Questions? 202-326-6700 or fellowships@aaas.org

